Fig. 1

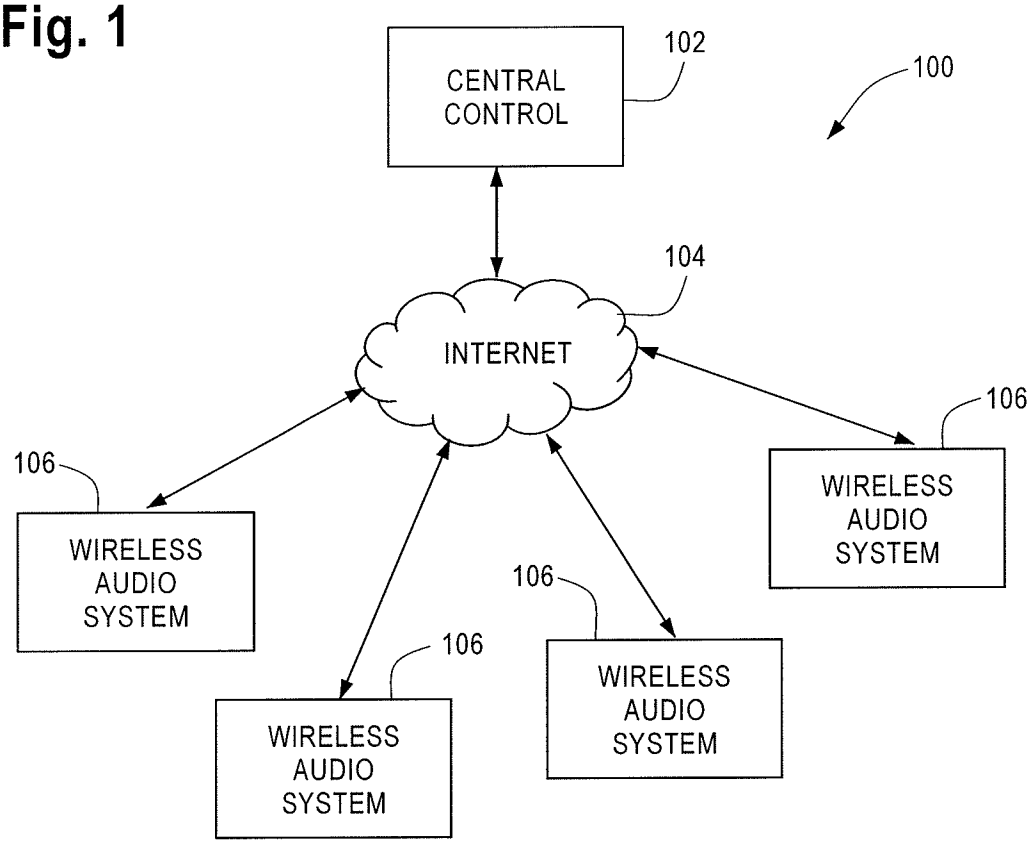

CENTRAL CONTROL
102
100
104
INTERNET
106
WIRELESS AUDIO SYSTEM
106
WIRELESS AUDIO SYSTEM
106
WIRELESS AUDIO SYSTEM
106
WIRELESS AUDIO SYSTEM

Fig. 2

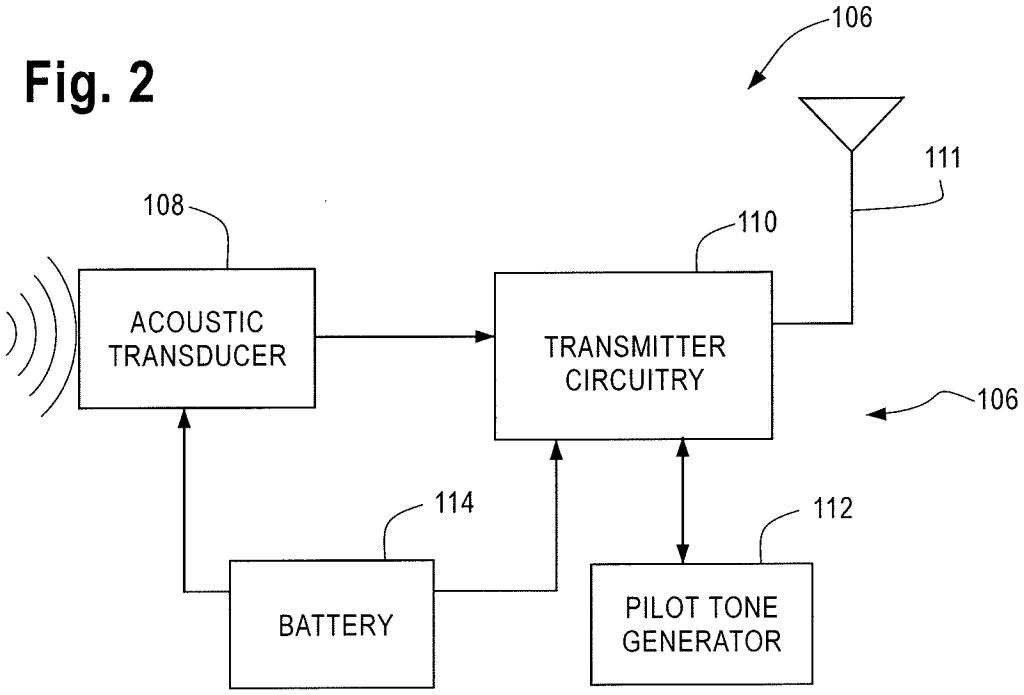

106
111
108
110
ACOUSTIC TRANSDUCER
TRANSMITTER CIRCUITRY
106
114
112
BATTERY
PILOT TONE GENERATOR

Fig. 3A

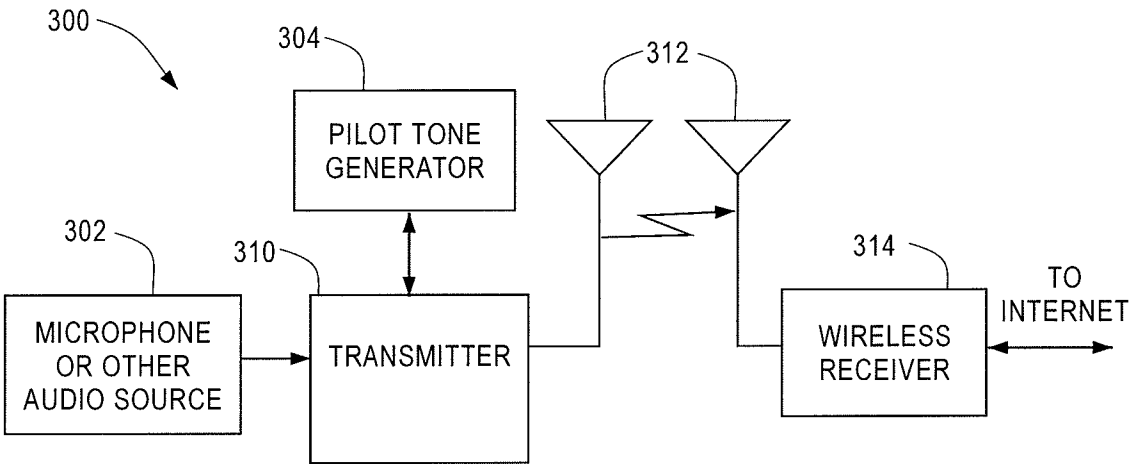

300
304
PILOT TONE GENERATOR
312
302
310
314
TO INTERNET
MICROPHONE OR OTHER AUDIO SOURCE
TRANSMITTER
WIRELESS RECEIVER

Fig. 3B

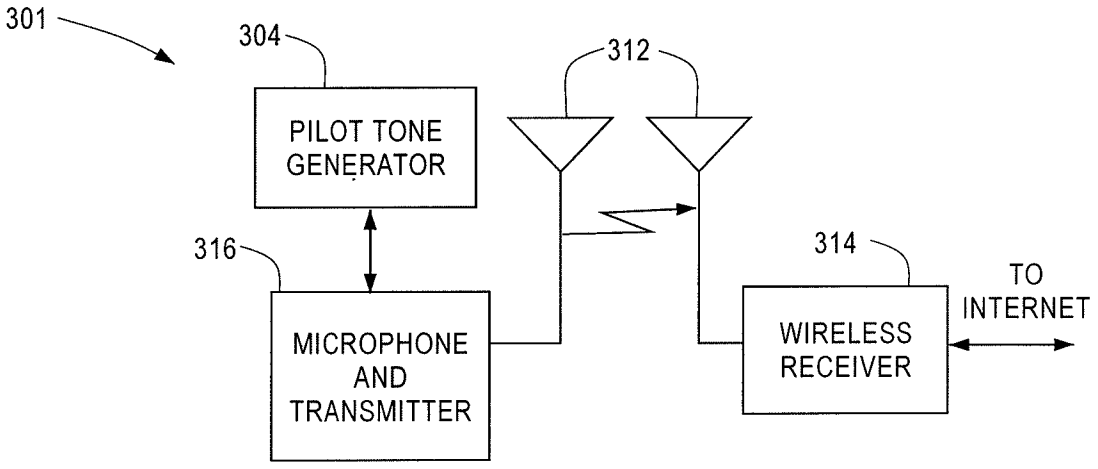

301
304
PILOT TONE GENERATOR
312
316
314
TO INTERNET
MICROPHONE AND TRANSMITTER
WIRELESS RECEIVER

Fig. 4

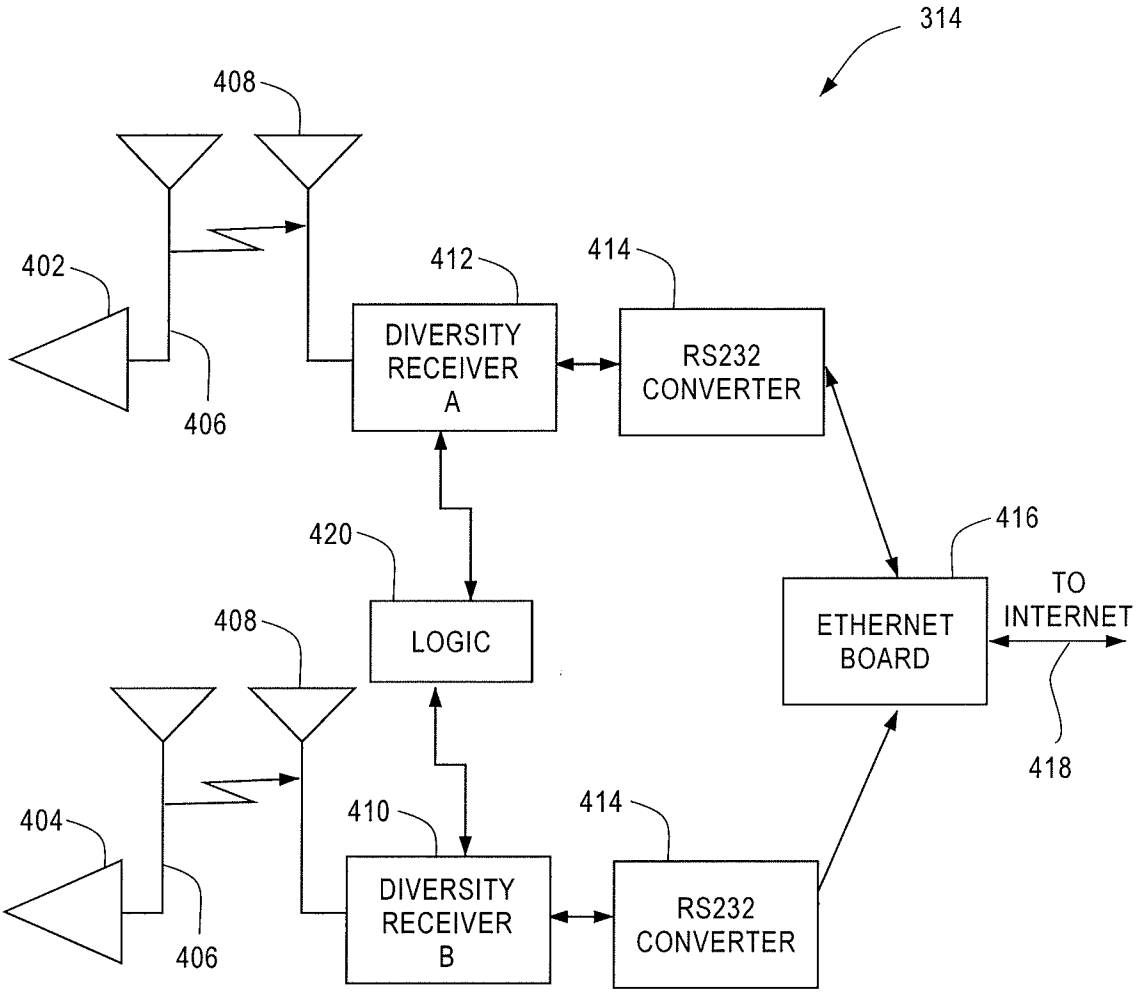

314
408
402
412
414
DIVERSITY RECEIVER A
RS232 CONVERTER
406
420
416
408
LOGIC
ETHERNET BOARD
TO INTERNET
418
404
410
414
DIVERSITY RECEIVER B
RS232 CONVERTER
406

Fig. 5

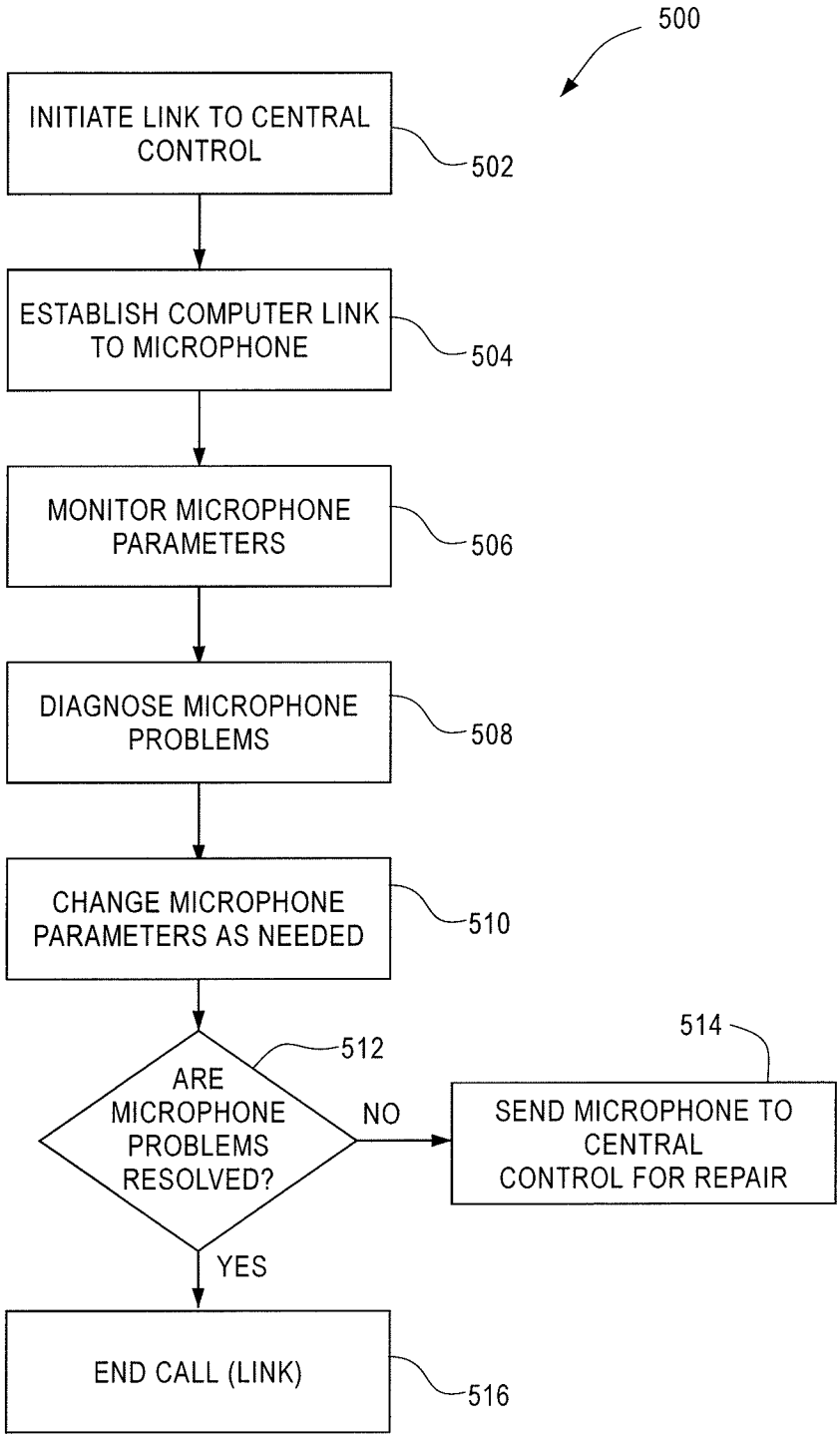

500
INITIATE LINK TO CENTRAL CONTROL
502
ESTABLISH COMPUTER LINK TO MICROPHONE
504
MONITOR MICROPHONE PARAMETERS
506
DIAGNOSE MICROPHONE PROBLEMS
508
CHANGE MICROPHONE PARAMETERS AS NEEDED
510
ARE MICROPHONE PROBLEMS RESOLVED?
512
NO
SEND MICROPHONE TO CENTRAL CONTROL FOR REPAIR
514
YES
END CALL (LINK)
516

Fig. 6

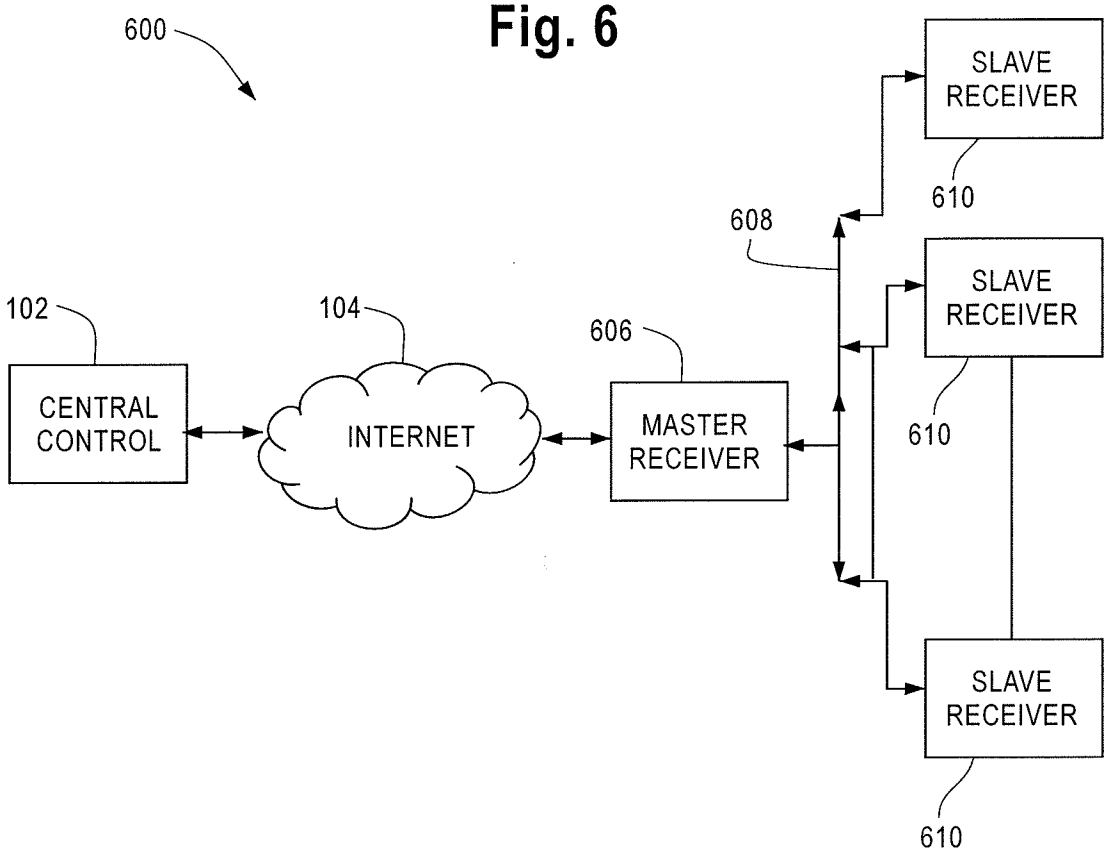

600
SLAVE RECEIVER
610
608
SLAVE RECEIVER
102
104
606
CENTRAL CONTROL
INTERNET
MASTER RECEIVER
610
SLAVE RECEIVER
610

Fig. 7

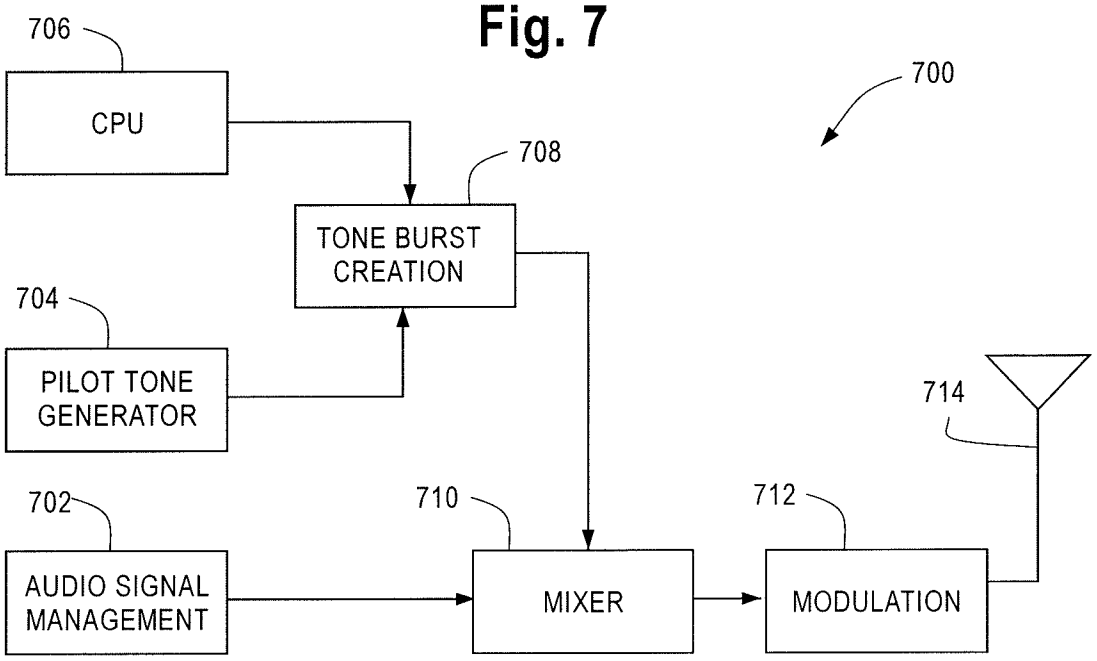

706
CPU
700
708
TONE BURST CREATION
704
PILOT TONE GENERATOR
714
702
710
712
AUDIO SIGNAL MANAGEMENT
MIXER
MODULATION

Fig. 8

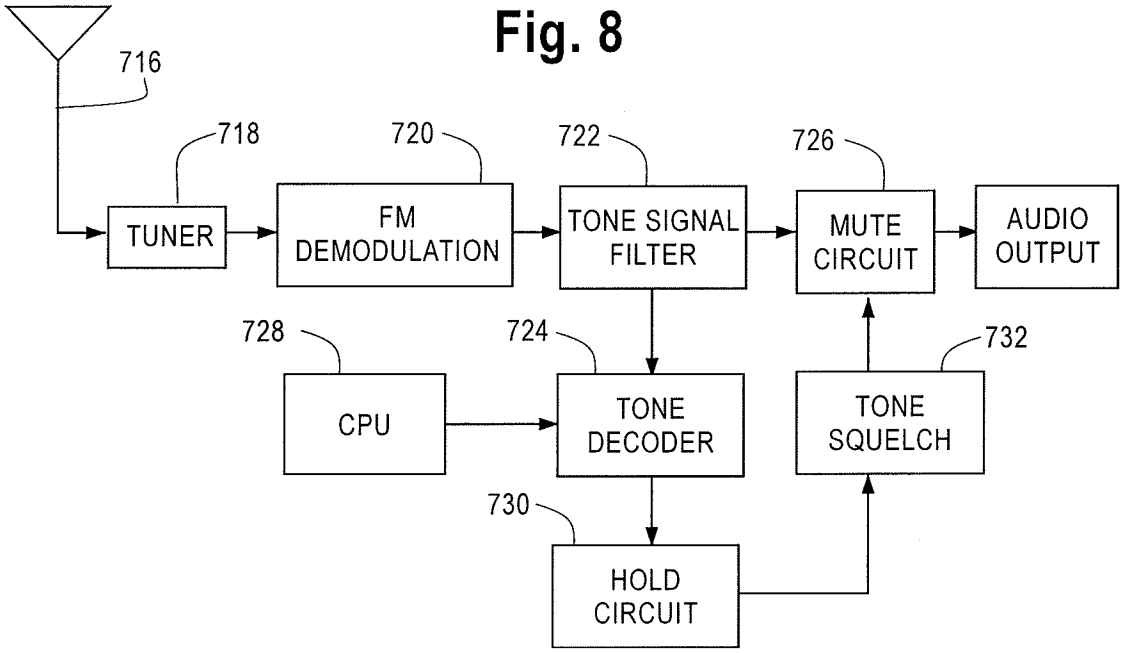


Fig. 9A

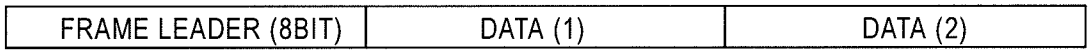


Fig. 9B

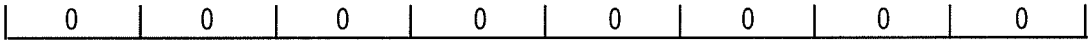
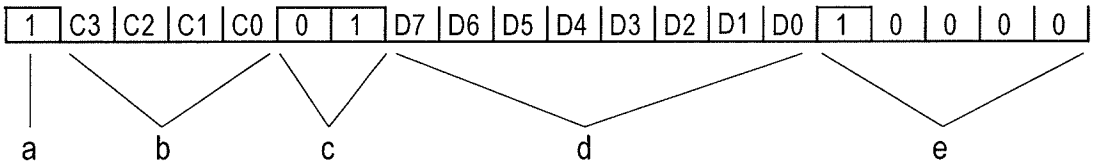


Fig. 9C



a. START BIT (1BIT)
b. INDEX (4BIT)
c. SEPARATOR (2BIT)
d. DATA (8BIT)
e. STOP SEQUENCE (5BIT)